

Public Service Commission of Wisconsin

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Public Service Commission of Wisconsin
RECEIVED: 10/27/2023 9:45:02 AM

October 27, 2023

Ms. Stacy Grunwald, Clerk-Treasurer
Cleveland Water Utility
P.O. Box 87
Cleveland, WI 53105

Re: Application of the Village of Cleveland, Manitowoc
County, Wisconsin, as a Water Public Utility, for Authority
to Adjust Water Rates

1180-WR-106

Dear Ms. Grunwald:

Public Service Commission (Commission) staff has analyzed the Cleveland Water Utility (applicant) application for a water rate increase. The Commission received the application on July 31, 2023. The attached proposed exhibit (Exhibit) contains schedules showing Commission staff's proposed cost-of-service analysis and proposed rates. Commission staff intends to submit the Exhibit at the public hearing, which will be scheduled at a later date.

The proposed revenue requirement for the 2023 test year is comprised of the following:

Operation and Maintenance Expenses	\$	309,080
Depreciation Expense	\$	77,411
Property Tax Equivalent and Other Taxes	\$	55,060
Return on Rate Base	\$	139,230
Total	\$	580,781

Commission staff used a 6.50 percent rate of return on the estimated water utility net investment rate base for the 2023 test year, as recommended by our staff auditor. ([PSC REF#: 482437.](#))

Schedule 13 of the Exhibit shows the proposed rates that would increase annual revenues from water public utility service by an estimated \$228,245. Commission staff estimates \$144,623 would be from general service customers, and \$83,622 would be from the public fire protection (PFP) charge. The increase in water utility revenues would result from a 74.17 percent increase in gross plant investment and a 59.01 percent increase in operating expenses since the applicant's last water conventional rate case (CRC) in 2017.

The overall increase in customer rates would be 65.96 percent and would be comprised of a 58.67 percent increase in general service charges and an 84.03 percent increase in PFP charges.

Ms. Stacy Grunwald
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Under the rates proposed in the Exhibit, a typical single-family residential customer's bill would increase 67.62 percent, including PFP. Schedule 14 of the Exhibit shows Commission staff's analysis of customer bills for comparison of proposed and present rates.

The Commission adjusted the rates authorized in the applicant's last CRC for inflation using the Simplified Rate Case (SRC) process in 2019, 2021, and 2022.

Schedule X-1, Water Utility Operating Rules, of Schedule 13 includes changes to the applicant's filed rules that reflect the latest requirements in Wis. Admin. Code ch. PSC 185. Commission staff will recommend these changes to the Commission.


The proposed Commission staff Exhibit is intended to provide the Commission with Commission staff's analysis and is not a final decision. After review of the attached Exhibit, the applicant may, within five business days of the date of this letter, present its own case and may submit any additional information it believes to be pertinent to support its position. If Commission staff does not receive a response within that time, it will assume the applicant is in agreement with the staff proposal, and Commission staff will contact the applicant to schedule the public hearing. Please note that this is the applicant's primary opportunity to address any concerns or changes to Commission staff's proposed Cost of Service and Rate Design Exhibit.

The applicant should also be aware that the Commission will base its decision on the merits of the case and that the general service and PFP rates are typically effective within 90 days of the Final Decision.

In order to receive notification of official correspondence (i.e. data requests, notices, final decisions, etc.), individuals must subscribe to the Utility ID or PSC Docket. To subscribe, go to the Commission's [Electronic Records Filing](#) (ERF) system. For help subscribing, go to [Subscribing to Dockets](#).

If you have any questions, please contact me.

Sincerely,



Alex Hanna
Public Utility Rate Analyst
Public Service Commission of Wisconsin
Division of Water Utility Regulation and Analysis
(608) 267-2336 | Alex.Hanna@wisconsin.gov

AJH:alf:krl DL:01969601

Attachment

cc: Greg Peterson, CPA, Corson, Peterson & Hamann, S.C.

Ex.-PSC-COSS and Rate Design

Cleveland Water Utility

	<u>Schedule</u>
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COMPARATIVE INCOME STATEMENT

ACCT NO.	OPERATING REVENUES	2019	2020	2021	ESTIMATED 2022	TEST YEAR 2023
460	Unmetered Sales to General Customers					
	Residential	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Multi-Family Residential	0	0	0	0	0
	Commercial	0	0	0	0	0
	Industrial	2,108	0	0	0	0
	Public Authority	0	0	0	0	0
	Irrigation	0	0	0	0	0
461	Metered Sales to General Customers					
	Residential	187,281	196,940	201,389	205,402	207,141
	Multi-Family Residential	4,585	5,181	5,609	6,358	6,527
	Commercial	9,410	8,781	10,632	10,987	9,923
	Industrial	7,497	6,390	7,986	7,239	8,353
	Public Authority	14,692	13,255	13,882	14,855	14,567
	Irrigation	0	0	0	0	0
	TOTAL GENERAL SALES	\$ 225,573	230,547	\$ 239,498	\$ 244,841	\$ 246,511
462	Private fire protection service	1,512	1,512	1,512	1,512	1,512
463	Public fire protection service	90,875	93,437	96,645	99,452	99,513
465	Other water sales	0	0	0	0	0
466	Sales for resale	0	0	0	0	0
467	Interdepartmental sales	0	0	0	0	0
470	Forfeited discounts	773	883	1,717	1,982	2,000
472	Rents from water property	2,069	2,231	2,788	1,663	0
473	Interdepartmental rents	0	0	0	0	0
474	Other water revenues	3,873	2,691	1,934	2,050	3,000
	TOTAL OPERATING REVENUES	\$ 324,675	\$ 331,301	\$ 344,094	\$ 351,500	\$ 352,536
	OPERATING EXPENSES					
	PLANT OPERATION AND MAINTENANCE					
600	Salaries and wages	\$ 40,860	\$ 40,546	\$ 41,728	\$ 43,000	\$ 58,312
610	Purchased water	0	0	0	0	0
620	Fuel or power purchased for pumping	7,619	8,136	10,051	8,600	9,100
630	Chemicals	3,988	4,856	6,254	5,200	5,400
640	Supplies and expenses	8,961	7,104	6,999	7,000	7,200
650	Repairs of water plant	44,481	83,908	103,427	109,000	61,000
660	Transportation expenses	1,454	1,256	997	1,200	1,300
	GENERAL OPERATING EXPENSES					
680	Administrative and general salaries	54,855	47,591	42,467	48,000	70,781
681	Office supplies and expenses	11,281	12,538	13,676	14,000	14,350
682	Outside services employed	23,791	48,760	39,408	40,000	41,000
684	Insurance Expense	8,213	8,573	9,109	9,400	9,700
686	Employee pensions and benefits	22,220	19,472	18,483	20,089	28,000
688	Regulatory commission expenses	70	149	250	150	2,000
689	Miscellaneous general expenses	862	736	1,078	1,000	917
690	Uncollectible accounts	0	0	55	20	20
691	Customer service and informational expense	0	0	0	0	0
	TOTAL OPER. & MAINT. EXPENSES	\$ 228,655	\$ 283,625	\$ 293,982	\$ 306,659	\$ 309,080
403	DEPRECIATION EXPENSE	48,618	51,046	53,835	59,558	77,411
404	AMORTIZATION EXPENSE	0	0	0	0	0
408	TAXES AND TAX EQUIVALENT	37,570	36,274	38,961	32,594	55,060
	TOTAL OPERATING EXPENSES	\$ 314,843	\$ 370,945	\$ 386,778	\$ 398,811	\$ 441,551
	NET OPERATING INCOME	\$ 9,832	\$ (39,644)	\$ (42,684)	\$ (47,311)	\$ (89,015)

NET INVESTMENT RATE BASE

UTILITY FINANCED PLANT IN SERVICE	\$ 3,077,375
Less: ACCUMULATED PROVISION FOR DEPRECIATION	<u>956,179</u>
NET PLANT IN SERVICE	\$ 2,121,196
Plus: MATERIALS AND SUPPLIES	23,500
Less: REGULATORY LIABILITY	<u>2,700</u>
NET INVESTMENT RATE BASE	<u>\$ 2,141,996</u>
RATE OF RETURN ON RATE BASE	6.50%

**ESTIMATED INCOME STATEMENT FOR THE 2023 TEST YEAR
AND
REVENUE REQUIREMENT TO YIELD A 6.50% RETURN ON NET INVESTMENT RATE BASE**

	<u>Present Rates</u>	<u>Increase</u>	<u>After Rate Increase</u>
TOTAL OPERATING REVENUES	\$ <u>352,536</u>	\$ <u>228,245</u>	\$ <u>580,781</u>
OPERATING EXPENSES:			
OPERATION & MAINTENANCE EXPENSES	\$ 309,080		\$ 309,080
DEPRECIATION EXPENSE	77,411		77,411
AMORTIZATION EXPENSE	0		0
TAXES AND TAX EQUIVALENT	<u>55,060</u>		<u>55,060</u>
TOTAL OPERATING EXPENSES	\$ <u>441,551</u>		\$ <u>441,551</u>
NET OPERATING INCOME (LOSS)	\$ <u>(89,015)</u>		<u>\$ 139,230</u>
RATE OF RETURN ON RATE BASE	-		6.50%

**UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE
TEST YEAR 2023**

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	<u>Balance 12/31/2022 (\$)</u>	<u>Major Additions</u>		<u>Retirements (\$)</u>	<u>Balance 12/31/2023 (\$)</u>	<u>Test Year Rate Base Balance (\$)</u>	<u>Depreciation</u>	
			<u>Less Retirements (\$)</u>	<u>Normal Additions (\$)</u>				<u>Rate (%)</u>	<u>Expense (\$)</u>
INTANGIBLE PLANT									
301	Organization	250	0	0	0	250	250	N/A	0
302	Franchises and Consents	0	0	0	0	0	0	N/A	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	N/A	0
SOURCE OF SUPPLY									
310	Land and Land Rights	7,500	0	0	0	7,500	7,500	N/A	0
311	Structures and Improvements	0	0	0	0	0	0	3.20%	0
312	Collecting and Impounding Reservoirs	28,282	0	0	0	28,282	28,282	1.70%	481
313	Lake, River, and Other Intakes	0	0	0	0	0	0	1.70%	0
314	Wells and Springs	139,840	0	0	0	139,840	139,840	2.90%	4,055
316	Supply Mains	0	0	0	0	0	0	1.80%	0
317	Other Water Source Plant	0	0	0	0	0	0	4.50%	0
PUMPING PLANT									
320	Land and Land Rights	0	0	0	0	0	0	N/A	0
321	Structures and Improvements	192,622	0	0	0	192,622	192,622	3.20%	6,164
323	Other Power Production Equipment	899	0	0	0	899	899	4.40%	40
325	Electric Pumping Equipment	354,372	0	0	0	354,372	354,372	4.40%	15,592
326	Diesel Pumping Equipment	0	0	0	0	0	0	4.40%	0
328	Other Pumping Equipment	2,100	0	0	0	2,100	2,100	4.40%	92
WATER TREATMENT PLANT									
330	Land and Land Rights	0	0	0	0	0	0	N/A	0
331	Structures and Improvements	0	0	0	0	0	0	3.20%	0
332	Sand or Other Media Filtration Equipment	0	0	0	0	0	0	3.30%	0
333	Membrane Filtration Equipment	0	0	0	0	0	0	6.00%	0
334	Other Water Treatment Equipment	14,098	0	0	0	14,098	14,098	6.00%	846

UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE
TEST YEAR 2023
(continued)

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	<u>Balance</u>	<u>Major</u>	<u>Normal</u>	<u>Retirements</u>	<u>Balance</u>	<u>TEST YEAR</u>	<u>DEPRECIATION</u>	
		<u>12/31/2022</u>	<u>Additions</u>	<u>Additions</u>		<u>12/31/2023</u>	<u>RATE BASE</u>	<u>RATE</u>	<u>EXPENSE</u>
		<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(%)</u>	<u>(\$)</u>
TRANSMISSION & DISTRIBUTION PLANT									
340	Land and Land Rights	900	0	0	0	900	900	N/A	0
341	Structures and Improvements	0	0	0	0	0	0	3.20%	0
342	Distribution Reservoirs and Standpipes	76,030	0	0	0	76,030	76,030	1.90%	1,445
343	Transmission and Distribution Mains	973,512	406,502	0	0	1,380,014	1,380,014	1.30%	17,941
345	Services	142,800	156,766	0	0	299,566	299,566	2.90%	8,687
346	Meters	197,297	3,000	0	0	200,297	200,297	5.50%	5,508
348	Hydrants	214,115	101,483	0	0	315,598	315,598	2.20%	6,944
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	5.00%	0
GENERAL PLANT									
389	Land and Land Rights	0	0	0	0	0	0	N/A	0
390	Structures and Improvements	5,210	0	0	0	5,210	5,210	2.90%	151
391	Office Furniture and Equipment	2,853	0	0	0	2,853	2,853	5.80%	165
391	Computer Equipment	20,318	0	0	0	20,318	20,318	26.70%	5,425
392	Transportation Equipment	21,506	0	0	0	21,506	21,506	13.30%	2,860
393	Stores Equipment	0	0	0	0	0	0	5.80%	0
394	Tools, Shop and Garage Equipment	12,865	0	0	0	12,865	12,865	5.80%	746
395	Laboratory Equipment	0	0	0	0	0	0	5.80%	0
396	Power Operated Equipment	0	0	0	0	0	0	7.50%	0
397	Communication Equipment	1,500	0	0	0	1,500	1,500	15.00%	225
397	SCADA Equipment	0	0	0	0	0	0	9.20%	0
398	Miscellaneous Equipment	755	0	0	0	755	755	5.80%	44
TOTAL UTILITY FINANCED PLANT IN SERVICE		2,409,624	667,751	0	0	3,077,375	3,077,375		77,411

Cleveland Water Utility

SYSTEM DEMAND RATIOS

MAXIMUM DAY SYSTEM DEMAND

TOTAL ANNUAL PUMPAGE 35,857,131 Gallons

AVERAGE DAILY PUMPAGE 98,239 Gallons

MAXIMUM DAY PUMPAGE 245,597 Gallons

FIRE FLOW:

GAL/MIN	1,000	
DURATION (HOURS)	2.00	
TOTAL FLOW	120,000	Gallons

AVERAGE DAY PLUS FIRE FLOW 218,239 Gallons

RATIO: BASE = $\frac{98,239}{245,597}$ = 40.00%

MAX DAY = 100-BASE = 60.00%

MAXIMUM HOUR SYSTEM DEMAND

AVERAGE HOUR ON MAX DAY 10,233 Gallons

MAXIMUM HOUR PUMPAGE 14,326 Gallons

AVERAGE HOUR PLUS ONE HOUR FIRE FLOW 64,093 Gallons

RATIO: BASE = $\frac{98,239}{1,538,239}$ = 6.39% Use 10.00%

MAX HOUR = 100-BASE = 93.61% Use 90.00%

**ALLOCATION OF UTILITY FINANCED PLANT
TO SERVICE COST FUNCTIONS**

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY			MAX HOUR			CUSTOMER COSTS		
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	Fire Protection (\$)
INTANGIBLE PLANT													
301	Organization	250	25	11	37	0	0	103	6	0	17	25	26
302	Franchises and Consents	0	0	0	0	0	0	0	0	0	0	0	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	0	0	0	0	0	0
SOURCE OF SUPPLY													
310	Land and Land Rights	7,500	3,000		4,500								
311	Structures and Improvements	0	0		0								
312	Collecting and Impounding Reservoirs	28,282	11,313		16,969								
313	Lake, River, and Other Intakes	0	0		0								
314	Wells and Springs	139,840	55,936		83,904								
316	Supply Mains	0	0		0								
317	Other Water Source Plant	0	0		0								
PUMPING PLANT													
320	Land and Land Rights	0	0		0								
321	Structures and Improvements	192,622	77,049		115,573								
323	Other Power Production Equipment	899	360		539								
325	Electric Pumping Equipment	354,372	141,749		212,623								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	2,100	840		1,260								
WATER TREATMENT PLANT													
330	Land and Land Rights	0	0		0								
331	Structures and Improvements	0	0		0								
332	Sand or Other Media Filtration Equipment	0	0		0								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	14,098	5,639		8,459								

**ALLOCATION OF UTILITY FINANCED PLANT
TO SERVICE COST FUNCTIONS
(continued)**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY									Fire Protection (\$)			
		TOTAL (\$)	BASE COSTS		MAX DAY			MAX HOUR				CUSTOMER COSTS		
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	System (\$)	Distribution (\$)	Storage (\$)		Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)
TRANSMISSION & DISTRIBUTION PLANT														
340	Land and Land Rights	900	3	55	0	0	0	492	27	0	79	119	125	
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0	
342	Distribution Reservoirs and Standpipes	76,030	7,603						68,427					
343	Transmission mains	0	0		0									
343	Distribution mains	1,380,014		138,001				1,242,013						
345	Services	299,566										299,566		
346	Meters	200,297									200,297			
348	Hydrants	315,598											315,598	
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0	
GENERAL PLANT														
389	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	
390	Structures and Improvements	5,210	525	239	768	0	0	2,149	118	0	347	518	546	
391	Office Furniture and Equipment	2,853	287	131	420	0	0	1,177	65	0	190	284	299	
391	Computer Equipment	20,318	2,047	931	2,994	0	0	8,381	462	0	1,352	2,021	2,130	
392	Transportation Equipment	21,506	2,167	986	3,169	0	0	8,871	489	0	1,431	2,140	2,254	
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0	
394	Tools, Shop and Garage Equipment	12,865	1,296	590	1,896	0	0	5,307	292	0	856	1,280	1,348	
395	Laboratory Equipment	0	0	0	0	0	0	0	0	0	0	0	0	
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	0	
397	Communication Equipment	1,500	151	69	221	0	0	619	34	0	100	149	157	
397	SCADA Equipment	0	0	0	0	0	0	0	0	0	0	0	0	
398	Miscellaneous Equipment	755	76	35	111	0	0	311	17	0	50	75	79	
	TOTAL	3,077,375	310,066	141,047	453,443	0	0	1,269,423	69,937	0	204,717	306,177	322,563	

**ALLOCATION OF TOTAL PLANT
TO SERVICE COST FUNCTIONS**

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY			MAX HOUR			CUSTOMER COSTS		
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)
INTANGIBLE PLANT													
301	Organization	250	20	13	30	0	0	117	5	0	13	28	24
302	Franchises and Consents	0	0	0	0	0	0	0	0	0	0	0	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	0	0	0	0	0	0
SOURCE OF SUPPLY													
310	Land and Land Rights	7,500	3,000		4,500								
311	Structures and Improvements	0	0		0								
312	Collecting and Impounding Reservoirs	28,282	11,313		16,969								
313	Lake, River, and Other Intakes	0	0		0								
314	Wells and Springs	139,840	55,936		83,904								
316	Supply Mains	0	0		0								
317	Other Water Source Plant	0	0		0								
PUMPING PLANT													
320	Land and Land Rights	0	0		0								
321	Structures and Improvements	192,622	77,049		115,573								
323	Other Power Production Equipment	899	360		539								
325	Electric Pumping Equipment	354,372	141,749		212,623								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	2,100	840		1,260								
WATER TREATMENT PLANT													
330	Land and Land Rights	0	0		0								
331	Structures and Improvements	0	0		0								
332	Sand or Other Media Filtration Equipment	0	0		0								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	14,098	5,639		8,459								

**ALLOCATION OF TOTAL PLANT
TO SERVICE COST FUNCTIONS
(continued)**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY									Fire Protection (\$)		
		TOTAL (\$)	BASE COSTS		MAX DAY		MAX HOUR			CUSTOMER COSTS			
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)		Equivalent Meter (\$)	Equivalent Service (\$)
TRANSMISSION & DISTRIBUTION PLANT													
340	Land and Land Rights	900	2	58	0	0	0	526	22	0	60	125	106
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
342	Distribution Reservoirs and Standpipes	82,780	8,278						74,502				
343	Transmission mains	0	0		0								
343	Distribution mains	1,940,873		194,087			1,746,786						
345	Services	414,296										414,296	
346	Meters	200,297									200,297		
348	Hydrants	350,769											350,769
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0
GENERAL PLANT													
389	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	5,210	425	271	620	0	0	2,441	104	0	280	579	490
391	Office Furniture and Equipment	2,853	233	149	340	0	0	1,337	57	0	153	317	268
391	Computer Equipment	20,318	1,657	1,058	2,418	0	0	9,519	406	0	1,091	2,258	1,911
392	Transportation Equipment	21,506	1,754	1,119	2,559	0	0	10,075	430	0	1,155	2,390	2,023
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	12,865	1,049	670	1,531	0	0	6,027	257	0	691	1,430	1,210
395	Laboratory Equipment	0	0	0	0	0	0	0	0	0	0	0	0
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	0
397	Communication Equipment	1,500	122	78	179	0	0	703	30	0	81	167	141
397	SCADA Equipment	0	0	0	0	0	0	0	0	0	0	0	0
398	Miscellaneous Equipment	755	62	39	90	0	0	354	15	0	41	84	71
	TOTAL	3,794,885	309,488	197,543	451,593	0	0	1,777,884	75,828	0	203,863	421,672	357,014

**ALLOCATION OF DEPRECIATION EXPENSE
TO SERVICE COST FUNCTIONS**

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY		MAX HOUR			CUSTOMER COSTS			Fire Protection (\$)
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
INTANGIBLE PLANT													
301	Organization	0	0	0	0	0	0	0	0	0	0	0	0
302	Franchises and Consents	0	0	0	0	0	0	0	0	0	0	0	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	0	0	0	0	0	0
SOURCE OF SUPPLY													
310	Land and Land Rights	0	0		0								
311	Structures and Improvements	0	0		0								
312	Collecting and Impounding Reservoirs	481	192		289								
313	Lake, River, and Other Intakes	0	0		0								
314	Wells and Springs	4,055	1,622		2,433								
316	Supply Mains	0	0		0								
317	Other Water Source Plant	0	0		0								
PUMPING PLANT													
320	Land and Land Rights	0	0		0								
321	Structures and Improvements	6,164	2,466		3,698								
323	Other Power Production Equipment	40	16		24								
325	Electric Pumping Equipment	15,592	6,237		9,355								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	92	37		55								
WATER TREATMENT PLANT													
330	Land and Land Rights	0	0		0								
331	Structures and Improvements	0	0		0								
332	Sand or Other Media Filtration Equipment	0	0		0								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	846	338		508								

**ALLOCATION OF DEPRECIATION EXPENSE
TO SERVICE COST FUNCTIONS
(continued)**

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	EXTRA-CAPACITY									CUSTOMER COSTS		
		TOTAL (\$)	BASE COSTS		MAX DAY		MAX HOUR			Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	Fire Protection (\$)
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)				
TRANSMISSION & DISTRIBUTION PLANT													
340	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
342	Distribution Reservoirs and Standpipes	1,445	145						1,301				
343	Transmission mains	0	0										
343	Distribution mains	17,941		1,794			16,147						
345	Services	8,687										8,687	
346	Meters	5,508									5,508		
348	Hydrants	6,944											6,944
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0
GENERAL PLANT													
389	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	151	25	4	36	0	36	3	0	12	19	15	
391	Office Furniture and Equipment	165	27	4	40	0	39	3	0	13	21	17	
391	Computer Equipment	5,425	884	144	1,309	0	1,292	104	0	441	695	556	
392	Transportation Equipment	2,860	466	76	690	0	681	55	0	232	366	293	
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	
394	Tools, Shop and Garage Equipment	746	122	20	180	0	178	14	0	61	96	76	
395	Laboratory Equipment	0	0	0	0	0	0	0	0	0	0	0	
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	
397	Communication Equipment	225	37	6	54	0	54	4	0	18	29	23	
397	SCADA Equipment	0	0	0	0	0	0	0	0	0	0	0	
398	Miscellaneous Equipment	44	7	1	11	0	10	1	0	4	6	5	
TOTAL		77,411	12,620	2,049	18,683	0	0	18,437	1,485	0	6,289	9,919	7,929

**ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES
TO SERVICE COST FUNCTIONS**

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL (\$)	EXTRA-CAPACITY							CUSTOMER COSTS			Fire Protection (\$)
			BASE COSTS		MAX DAY		MAX HOUR			Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)				
PLANT OPERATION AND MAINTENANCE													
600	Salaries and wages	58,312	2,853	1,821	4,163	0	0	16,391	699	23,325	1,880	3,888	3,292
610	Purchased water	0	0										0
620	Fuel or power purchased for pumping	9,100	9,100										
630	Chemicals	5,400	5,400										
640	Supplies and expenses	7,200	587	375	857	0	0	3,373	144	0	387	800	677
650	Repairs of water plant	61,000	4,975	3,175	7,259	0	0	28,578	1,219	0	3,277	6,778	5,739
660	Transportation expenses	1,300	106	68	155	0	0	609	26	0	70	144	122
GENERAL OPERATING EXPENSES													
680	Administrative and general salaries	70,781	3,463	2,211	5,054	0	0	19,896	849	28,312	2,281	4,719	3,995
681	Office supplies and expenses	14,350	866	553	1,264	0	0	4,975	212	3,731	570	1,180	999
682	Outside services employed	41,000	2,474	1,579	3,610	0	0	14,214	606	10,661	1,630	3,371	2,854
684	Insurance Expense	9,700	585	374	854	0	0	3,363	143	2,522	386	798	675
686	Employee pensions and benefits	28,000	1,690	1,079	2,466	0	0	9,707	414	7,280	1,113	2,302	1,949
688	Regulatory commission expenses	2,000	121	77	176	0	0	693	30	520	80	164	139
689	Miscellaneous general expenses	917	55	35	81	0	0	318	14	238	36	75	64
690	Uncollectible accounts	20								20			
691	Customer service and informational expense	0								0			
TOTAL OPERATION & MAINTENANCE EXPENSES		309,080	32,276	11,346	25,939	0	0	102,118	4,355	76,610	11,709	24,220	20,506

SUMMARY OF ALLOCATION OF OPERATING COSTS TO SERVICE COST FUNCTIONS

OPERATING COST	EXTRA-CAPACITY											
	BASE COSTS			MAX DAY					CUSTOMER COSTS			Fire Protection
	TOTAL	System	Distribution	System	Distribution	System	Distribution	Storage	Billing	Equivalent Meter	Equivalent Service	
(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	
OPERATION AND MAINTENANCE	309,080	32,276	11,346	25,939	0	0	102,118	4,355	76,610	11,709	24,220	20,506
DEPRECIATION EXPENSE	77,411	12,620	2,049	18,683	0	0	18,437	1,485	0	6,289	9,919	7,929
AMORTIZATION EXPENSE	0	0	0	0	0	0	0	0	0	0	0	0
TAXES AND TAX EQUIVALENT	55,060	4,490	2,866	6,552	0	0	25,795	1,100	0	2,958	6,118	5,180
RETURN ON NET INVESTMENT RATE BASE	139,230	14,028	6,381	20,515	0	0	57,433	3,164	0	9,262	13,852	14,594
TOTAL	580,781	63,415	22,643	71,689	0	0	203,783	10,105	76,610	30,219	54,109	48,209

CUSTOMER CLASS DEMAND RATIOS

CUSTOMER CLASS	BASE COSTS					EXTRA-CAPACITY MAX DAY DEMAND					EXTRA-CAPACITY MAX HOUR DEMAND					
	Annual Volume 1,000 Mgal	Average Day Volume Gal	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Extra Capacity Ratio	Volume Rate Gal Per Day	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Extra Capacity Ratio	Volume Rate Gal Per Hour	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Storage Adjusted Percent (%)
Residential	24,080	65,973	78.31%	78.31%	78.31%	2.70	178,126	53.75%	53.75%	53.75%	5.70	15,668	19.97%	42.43%	42.43%	19.97%
Multifamily Residential	1,417	3,882	4.61%	4.61%	4.61%	2.45	9,511	2.87%	2.87%	2.87%	5.05	817	1.04%	2.21%	2.21%	1.04%
Commercial	1,192	3,266	3.88%	3.88%	3.88%	2.20	7,185	2.17%	2.17%	2.17%	4.40	599	0.76%	1.62%	1.62%	0.76%
Industrial	2,013	5,515	6.55%	6.55%	6.55%	1.10	6,067	1.83%	1.83%	1.83%	2.20	506	0.64%	1.37%	1.37%	0.64%
Public Authority	1,742	4,773	5.66%	5.66%	5.66%	2.20	10,500	3.17%	3.17%	3.17%	4.40	875	1.12%	2.37%	2.37%	1.12%
Public Fire Protection	308	843	1.00%	1.00%	1.00%		120,000	36.21%	36.21%	36.21%		60,000	76.47%	50.00%	50.00%	76.47%
TOTALS	30,752	84,251	100%	100%	100%		331,388	100%	100%	100%		78,465	100%	100%	100%	100%

50% 50% <-- Public Fire % Limits --> 50% 50% 80%

Maximum Day Demand = 294,797 (GAL/DAY) SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM DAY EXTRA CAPACITY DEMAND

Maximum Hour Demand = 21,940 (GAL/HR) SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM HOUR EXTRA CAPACITY DEMAND

1.20 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX DAY

1.53 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX HOUR

CUSTOMER CLASS ALLOCATION FACTORS

NUMBER OF METERS

Meter size (inches):	NUMBER OF METERS													TOTAL	
	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	METERS	PERCENT
Residential	614	0	1	0	0	0	0	0	0	0	0	0	0	615	91.9%
Multifamily Residential	0	0	3	0	1	0	0	0	0	0	0	0	0	4	0.6%
Commercial	24	0	5	0	0	0	0	0	0	0	0	0	0	29	4.3%
Industrial	1	0	2	0	0	0	0	1	0	0	0	0	0	4	0.6%
Public Authority	5	0	2	0	3	6	0	1	0	0	0	0	0	17	2.5%
TOTALS	644	0	13	0	4	6	0	2	0	0	0	0	0	669	100.0%

EQUIVALENT METERS

ALLOCATION FACTOR: Meter size (inches): Equiv. meters ratio:	EQUIVALENT METERS													TOTAL	
	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	EQUIV. METERS	PERCENT
	1.0	1.0	2.5	3.7	5.0	8.0	12.5	15.0	25.0	50.0	80.0	120.0	160.0		
Residential	614	0	3	0	0	0	0	0	0	0	0	0	0	617	79.6%
Multifamily Residential	0	0	8	0	5	0	0	0	0	0	0	0	0	13	1.6%
Commercial	24	0	13	0	0	0	0	0	0	0	0	0	0	37	4.7%
Industrial	1	0	5	0	0	0	0	15	0	0	0	0	0	21	2.7%
Public Authority	5	0	5	0	15	48	0	15	0	0	0	0	0	88	11.4%
TOTALS	644	0	33	0	20	48	0	30	0	0	0	0	0	775	100.0%

EQUIVALENT SERVICES

ALLOCATION FACTOR: Meter size (inches): Equiv. services ratio:	EQUIVALENT SERVICES													TOTAL	
	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	EQUIV. SERVICES	PERCENT
	1.0	1.0	1.3	1.7	2.0	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0		
Residential	614	0	1	0	0	0	0	0	0	0	0	0	0	615	88.5%
Multifamily Residential	0	0	4	0	2	0	0	0	0	0	0	0	0	6	0.8%
Commercial	24	0	7	0	0	0	0	0	0	0	0	0	0	31	4.4%
Industrial	1	0	3	0	0	0	0	4	0	0	0	0	0	8	1.1%
Public Authority	5	0	3	0	6	18	0	4	0	0	0	0	0	36	5.1%
TOTALS	644	0	17	0	8	18	0	8	0	0	0	0	0	695	100.0%

ALLOCATION OF SERVICE COST FUNCTIONS TO CUSTOMER CLASSES

	TOTAL	Residential	Multifamily Residential	Commercial	Industrial	Public Authority	Public Fire Protection
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
BASE COSTS:							
SYSTEM	63,415	49,657	2,922	2,458	4,151	3,592	634
DISTRIBUTION	22,643	17,730	1,043	878	1,482	1,283	226
EXTRA-CAPACITY COSTS:							
MAXIMUM-DAY SYSTEM	71,689	38,534	2,058	1,554	1,312	2,271	25,959
MAXIMUM-DAY DISTRIBUTION	0	0	0	0	0	0	0
MAXIMUM-HOUR SYSTEM	0	0	0	0	0	0	0
MAXIMUM-HOUR DISTRIBUTION	203,783	86,462	4,508	3,304	2,790	4,828	101,891
MAXIMUM-HOUR STORAGE	10,105	2,018	105	77	65	113	7,727
CUSTOMER COSTS:							
BILLING	76,610	70,426	458	3,321	458	1,947	
EQUIVALENT METERS	30,219	24,054	488	1,424	819	3,433	
EQUIVALENT SERVICES	54,109	47,911	459	2,375	592	2,772	
FIRE PROTECTION	48,209						48,209
TOTAL COST	580,781	336,792	12,041	15,391	11,670	20,240	184,647
LESS OTHER REVENUE	6,512	4,251	152	194	147	255	1,512
COST OF SERVICE	574,269	332,541	11,889	15,197	11,522	19,984	183,135
REVENUE AT PRESENT RATES	346,024	207,141	6,527	9,923	8,353	14,567	99,513
DIFFERENCE	228,245	125,400	5,362	5,274	3,169	5,417	83,622
PERCENT INCREASE/DECREASE	65.96%	60.54%	82.15%	53.15%	37.94%	37.19%	84.03%

**Cleveland Water Utility
Comparison of Revenue
at
Present Rates, Cost of Service and Proposed Rates**

Customer Class	Revenue at Present Rates	Cost of Service		Proposed Rates		
		Revenue Required	Increase over Present Rates	Revenue	Increase over Present Rates	Percent of Cost of Service
Residential	\$207,141	\$332,541	60.54%	\$332,775	60.65%	100.07%
Multifamily Residential	\$6,527	\$11,889	82.15%	\$10,353	58.62%	87.08%
Commercial	\$9,923	\$15,197	53.15%	\$16,168	62.94%	106.39%
Industrial	\$8,353	\$11,522	37.94%	\$12,037	44.10%	104.46%
Public Authority	\$14,567	\$19,984	37.19%	\$20,008	37.35%	100.12%
Public Fire Protection	\$99,513	\$183,135	84.03%	\$183,153	84.05%	100.01%
Total	\$346,024	\$574,269	65.96%	\$574,494	66.03%	100.04%

Cleveland Water Utility
Proposed Water Rates and Rules

Docket 1180-WR-106

Cleveland Water Utility
Water Rate File Changes

Amended

F-1
Upf-1
Mg-1
Am-1
OC-1
Mpa-1
Ug-1
Sg-1
BW-1
R-1
Cz-1
X-1
X-2
X-3
X-4

Public Service Commission of Wisconsin

Cleveland Water Utility

Public Fire Protection Service

Public fire protection service shall include the use of hydrants for fire protection service only and such quantities of water as may be demanded for the purpose of extinguishing fires within the service area. This service shall also include water used for testing equipment and training personnel. For all other purposes, the metered or other rates set forth, or as may be filed with the Public Service Commission shall apply.

Under Wis. Stat. § 196.03(3)(b), the municipality has chosen to have the utility bill the retail general service customers for public fire protection service.

Monthly Public Fire Protection Service Charges:

5/8 - inch meter:	\$ 19.70	3 - inch meter:	\$ 296.00
3/4 - inch meter:	\$ 19.70	4 - inch meter:	\$ 493.00
1 - inch meter:	\$ 49.00	6 - inch meter:	\$ 985.00
1 1/4 - inch meter:	\$ 73.00	8 - inch meter:	\$ 1,576.00
1 1/2 - inch meter:	\$ 99.00	10 - inch meter:	\$ 2,364.00
2 - inch meter:	\$ 158.00	12 - inch meter:	\$ 3,153.00

Customers who are provided service under Schedules Mg-1, Ug-1, or Sg-1 shall also be subject to the charges in this schedule according to the size of their primary meter. Customers who are provided service under Schedule Am-1 are exempt from these charges for any additional meters.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Cleveland Water Utility

Private Fire Protection Service - Unmetered

This service shall consist of permanent or continuous unmetered connections to the main for the purpose of supplying water to private fire protection systems such as automatic sprinkler systems, standpipes, and private hydrants. This service shall also include reasonable quantities of water used for testing check valves and other backflow prevention devices.

Monthly Private Fire Protection Service Demand Charges:

2 - inch or smaller connection:	\$	10.00
3 - inch connection:	\$	20.00
4 - inch connection:	\$	30.00
6 - inch connection:	\$	60.00
8 - inch connection:	\$	90.00
10 - inch connection:	\$	140.00
12 - inch connection:	\$	190.00
14 - inch connection:	\$	240.00
16 - inch connection:	\$	280.00

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Cleveland Water Utility

General Service - Metered

Monthly Service Charges:

5/8 - inch meter:	\$ 20.00	3 - inch meter:	\$ 85.00
3/4 - inch meter:	\$ 20.00	4 - inch meter:	\$ 124.00
1 - inch meter:	\$ 27.00	6 - inch meter:	\$ 212.00
1 1/4 - inch meter:	\$ 33.00	8 - inch meter:	\$ 316.00
1 1/2 - inch meter:	\$ 39.00	10 - inch meter:	\$ 452.00
2 - inch meter:	\$ 61.00	12 - inch meter:	\$ 470.00

Plus Volume Charges:

First	10,000	gallons used each month:	\$7.74 per 1,000 gallons
Next	56,700	gallons used each month:	\$5.85 per 1,000 gallons
Over	66,700	gallons used each month:	\$3.95 per 1,000 gallons

Billing: Bills for water service are rendered monthly and become due and payable upon issuance following the period for which service is rendered. A late payment charge of 1 percent per month will be added to bills not paid within 20 days of issuance. This late payment charge will be applied to the total unpaid balance for utility service, including unpaid late payment charges. The late payment charge is applicable to all customers. The utility customer may be given a written notice that the bill is overdue no sooner than 20 days after the bill is issued. Unless payment or satisfactory arrangement for payment is made within the next 10 days, service may be disconnected pursuant to Wis. Adm. Code ch. PSC 185.

Combined Metering: Volumetric meter readings will be combined for billing if the utility for its own convenience places more than one meter on a single water service lateral. Multiple meters placed for the purpose of identifying water not discharged into the sanitary sewer are not considered for utility convenience and shall not be combined for billing. This requirement does not preclude the utility from combining readings when metering configurations support such an approach. Meter readings from individually metered separate service laterals shall not be combined for billing purposes.

Public Service Commission of Wisconsin

Cleveland Water Utility

Additional Meter Rental Charge

Upon request, the utility shall furnish and install additional meters to:

- A. Water service customers for the purpose of measuring the volume of water used that is not discharged into the sanitary sewer system; and
- B. Sewerage service customers who are not customers of the water utility for the purpose of determining the volume of sewage that is discharged into the sanitary sewer system.

The utility shall charge a meter installation charge of \$40.00 and a monthly rental fee for the use of this additional meter.

Monthly Additional Meter Rental Charges:

5/8 - inch meter:	\$	10.00
3/4 - inch meter:	\$	10.00
1 - inch meter:	\$	13.50
1 1/4 - inch meter:	\$	16.50
1 1/2 - inch meter:	\$	19.50
2 - inch meter:	\$	30.50

This schedule applies only if the additional meter is installed on the same service lateral as the primary meter and either:

- A. The additional meter is 3/4-inch or smaller if the metering configuration is the Addition Method; or
- B. The additional meter is 2-inch or smaller for all other metering configurations.

If the additional meter is larger than 2-inch or larger than 3/4-inch and installed in the Addition Method, each meter shall be treated as a separate account and Schedule Mg-1 rates shall apply.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Cleveland Water Utility

Other Charges

Payment Not Honored by Financial Institution Charge: The utility shall assess a \$25.00 charge when a payment rendered for utility service is not honored by the customer's financial institution. This charge may not be in addition to, but may be inclusive of, other such charges when the payment was for multiple services.

Missed Appointment Charge: The utility shall assess a missed appointment charge when a customer, without providing reasonable cancellation notice, fails to be present at the customer's location for an appointment scheduled with utility personnel. The utility may not apply the charge for the first such missed appointment during normal business hours. The utility shall apply the charge for the first such missed appointment after normal business hours.

During normal business hours:	\$25.00
After normal business hours:	\$40.00

Real Estate Closing Account Charge: The utility shall assess a \$25.00 charge whenever a customer or the customer's agent requests written documentation from the utility of the customer's account status in connection with a real estate closing.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Cleveland Water Utility

Public Service

Metered Service

Water used by the Village of Cleveland on an intermittent basis for flushing sewers, street washing, flooding skating rinks, drinking fountains, etc., shall be metered and billed according to the rates set forth in Schedule Mg-1.

Unmetered Service

Where it is impossible to meter the service, the utility shall estimate the volume of water used based on the pressure, size of opening, and the period of time the water is used. The estimated quantity shall be billed at the volumetric rates set forth in Schedule Mg-1, excluding any service charges.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Cleveland Water Utility

General Water Service - Unmetered

Service may be supplied temporarily on an unmetered basis where the utility cannot immediately install a water meter, including water used for construction. Unmetered service shall be billed the amount that would be charged to a metered residential customer using 3,000 gallons of water monthly under Schedule Mg-1, including the service charge for a 5/8-inch meter. If the utility determines that actual usage exceeds 3,000 gallons of water monthly, an additional charge for the estimated excess usage shall be made according to the rates under Schedule Mg-1.

This schedule applies only to customers with a 1-inch or smaller service connection. For customers with a larger service connection, the utility shall install a temporary meter and charges shall be based on the rates set forth under Schedule Mg-1.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Cleveland Water Utility

Seasonal Service

Seasonal customers are general service customers who voluntarily request disconnection of water service and who resume service at the same location within 12 months of the disconnection, unless service has been provided to another customer at that location in the intervening period. The utility shall bill seasonal customers the applicable service charges under Schedule Mg-1 year-round, including the period of temporary disconnection.

Seasonal service shall include customers taking service under Schedule Mg-1, Schedule Ug-1, or Schedule Am-1.

Upon reconnection, the utility shall apply a charge under Schedule R-1 and require payment of any unpaid charges under this schedule.

Billing: Same as Schedule Mg-1, unless the utility and customer agree to an alternative payment schedule for the period of voluntary disconnection.

Public Service Commission of Wisconsin

Cleveland Water Utility

Bulk Water

All bulk water supplied from the water system through hydrants or other connections shall be metered or estimated by the utility. Utility personnel or a party approved by the utility shall supervise the delivery of water.

Bulk water sales are:

- A. Water supplied by tank trucks or from hydrants for the purpose of extinguishing fires outside the utility's service area;
- B. Water supplied by tank trucks or from hydrants for purposes other than extinguishing fires, such as water used for irrigation or filling swimming pools; or,
- C. Water supplied from hydrants or other temporary connections for general service type applications, except that Schedule Ug-1 applies for water supplied for construction purposes.

A service charge of \$40.00 and a charge for the volume of water used shall be billed to the party using the water. The volumetric charge shall be calculated using the highest volumetric rate for residential customers under Schedule Mg-1. In addition, for meters that are assigned to bulk water customers for more than 7 days, the applicable service charge in Schedule Mg-1 will apply after the first 7 days.

The water utility may require a reasonable deposit for the temporary use of its equipment under this and other rate schedules. The deposit(s) collected shall be refunded upon return of the utility's equipment. Damaged or lost equipment shall be repaired or replaced at the customer's expense.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Cleveland Water Utility

Reconnection Charges

The utility shall assess a charge to reconnect a customer, which includes reinstalling a meter and turning on the valve at the curb stop, if necessary. A utility may not assess a charge for disconnecting a customer.

During normal business hours: \$40.00

After normal business hours: \$80.00

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Cleveland Water Utility

<p>Water Lateral Installation Charge</p>

The utility shall charge a customer for the actual cost of installing a water service lateral from the main through curb stop and box if these costs are not contributed as part of a subdivision development or otherwise recovered under Wis. Stats. Chapter 66.

Billing: Same as Schedule Mg-1.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Utility Operating Rules

Compliance with Rules

All persons now receiving water service from this water utility, or who may request service in the future, shall be considered as having agreed to be bound by the rules and regulations as filed with the Public Service Commission of Wisconsin.

Establishment of Service

Application for water service may be made in writing on a form furnished by the water utility. The application will contain the legal description of the property to be served, the name of the owner, the exact use to be made of the service, and the size of the service lateral and meter desired. Note particularly any special refrigeration, fire protection, or water-consuming air-conditioning equipment.

Service will be furnished only if (1) the premises have a frontage on a properly platted street or public strip in which a cast iron or other long-life water main has been laid, or where the property owner has agreed to and complied with the provisions of the water utility's filed main extension rule, (2) the property owner has installed or agrees to install a service lateral from the curb stop to the point of use that is not less than 6 feet below the surface of an established or proposed grade and meets the water utility's specifications, and (3) the premises have adequate piping beyond the metering point.

The owner of a multi-unit dwelling has the option of being served by individual metered water service to each unit. The owner, by selecting this option, is required to provide interior plumbing and meter settings to enable individual metered service to each unit and individual disconnection without affecting service to other units. Each meter and meter connection will be treated as a separate water utility account for the purpose of the filed rules and regulations.

No division of the water service lateral to any lot or parcel of land shall be made for the extension and independent metering of the supply to an adjoining lot or parcel of land. Except for duplexes, no division of a water service lateral shall be made at the curb for separate supplies for two or more separate premises having frontage on any street or public service strip, whether owned by the same or different parties. Duplexes may be served by one lateral provided (1) individual metered service and disconnection is provided and (2) it is permitted by local ordinance.

Buildings used in the same business, located on the same parcel, and served by a single lateral may have the customer's water supply piping installed to a central point so that volume can be metered in one place.

The water utility may withhold approval of any application where full information of the purpose of such supply is not clearly indicated and set forth by the applicant property owner.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Utility Operating Rules

Reconnection of Service

Where the water utility has disconnected service at the customer's request, a reconnection charge shall be made when the customer requests reconnection of service. See Schedule R-1 for the applicable rate.

A reconnection charge shall also be required from customers whose services are disconnected (shut off at curb stop box) because of nonpayment of bills when due. See Schedule R-1 for the applicable rate.

If reconnection is requested for the same location by any member of the same household, or, if a place of business, by any partner of the same business, it shall be considered as the same customer.

Temporary Metered Service, Meter, and Deposits

An applicant for temporary water service on a metered basis shall make and maintain a monetary deposit for each meter installed as security for payment for use of water and for such other charges which may arise from the use of the supply. A charge shall be made for setting the valve and furnishing and setting the meter. See Schedule BW-1 for the applicable rate.

Water for Construction

When water is requested for construction purposes or for filling tanks or other such uses, an application shall be made to the water utility, in writing, giving a statement of the amount of construction work to be done or the size of the tank to be filled, etc. Payment for the water for construction may be required in advance at the scheduled rates. The service lateral must be installed into the building before water can be used. No connection with the service lateral at the curb shall be made without special permission from the water utility. In no case will any employee of the water utility turn on water for construction work unless the contractor has obtained permission from the water utility.

Customers shall not allow contractors, masons, or other persons to take unmetered water from their premises without permission from the water utility. Any customer failing to comply with this provision may have water service discontinued and will be responsible for the cost of the estimated volume of water used.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Utility Operating Rules

Use of Hydrants

In cases where no other supply is available, permission may be granted by the water utility to use a hydrant. No hydrant shall be used until the proper meter and valve are installed. In no case shall any valve be installed or moved except by an employee of the water utility.

Before a valve is set, payment must be made for its setting and for the water to be used at the scheduled rates. Where applicable, see Schedule BW-1 for deposits and charges. Upon completing the use of the hydrant, the customer must notify the water utility to that effect.

Operation of Valves and Hydrants and Unauthorized Use of Water - Penalty

Any person who shall, without authority of the water utility, allow contractors, masons, or other unauthorized persons to take water from their premises, operate any valve connected with the street or supply mains, or open any fire hydrant connected with the distribution system, except for the purpose of extinguishing fire, or who shall wantonly damage or impair the same, shall be subject to a fine as provided by municipal ordinance. Utility permission for the use of hydrants applies only to such hydrants that are designated for the specific use.

Refunds of Monetary Deposits

All money deposited as security for payment of charges arising from the use of temporary water service on a metered basis, or for the return of a hydrant valve and fixtures if the water is used on an unmetered basis, will be refunded to the depositor on the termination of the use of water, the payment of all charges levied against the depositor, and the return of the water utility's equipment.

Service Laterals

No water service lateral shall be laid through any trench having cinders, rubbish, rock or gravel fill, or any other material which may cause injury to or disintegration of the service lateral, unless adequate means of protection are provided by sand filling or such other insulation as may be approved by the water utility. Service laterals passing through curb or retaining walls shall be adequately safeguarded by provision of a channel space or pipe casing not less than twice the diameter of the service connection. The space between the service lateral and the channel or pipe casing shall be filled and lightly caulked with an oakum, mastic cement, or other resilient material and made impervious to moisture.

In backfilling the pipe trench, the service lateral must be protected against injury by carefully hand tamping the ground filling around the pipe. There should be at least 6 inches of ground filling over the pipe, and it should be free from hard lumps, rocks, stones, or other injurious material.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Utility Operating Rules

Service Laterals (continued)

All water service laterals shall be of undiminished size from the street main into the point of meter placement. Beyond the meter outlet valve, the piping shall be sized and proportioned to provide, on all floors, at all times, an equitable distribution of the water supply for the greatest probable number of fixtures or appliances operating simultaneously.

Replacement and Repair of Service Laterals

The service lateral from the main to and through the curb stop will be maintained and kept in repair and, when worn out, replaced at the expense of the water utility. The property owner shall maintain the service lateral from the curb stop to the point of use.

If an owner fails to repair a leaking or broken service lateral from the curb to the point of metering or use within such time as may appear reasonable to the water utility after notification has been served on the owner by the water utility, the water will be shut off and will not be turned on again until the repairs have been completed.

Abandonment of Service

If a property owner changes the use of a property currently receiving water service such that water service will no longer be needed in the future, the water utility may require the abandonment of the water service at the water main. In such case, the property owner may be responsible for all removal and/or repair costs, including the water main and the utility portion of the water service lateral.

Charges for Water Wasted Due to Leaks

See Wis. Admin. Code § PSC 185.35 or Schedule X-4, if applicable.

Thawing Frozen Service Laterals

See Wis. Admin. Code § PSC 185.88 or Schedule X-4, if applicable.

Curb Stop Boxes

The curb stop box is the property of the water utility. The water utility is responsible for its repair and maintenance. This includes maintaining, through adjustment, the curb stop box at an appropriate grade level where no direct action by the property owner or occupant has contributed to an elevation problem. The property owner is responsible for protecting the curb stop box from situations that could obstruct access to it or unduly expose it to harm. The water utility shall not be liable for failure to locate the curb stop box and shut off the water in case of a leak on the owner's premises.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Utility Operating Rules

Installation of Meters

Meters will be owned, furnished, and installed by the water utility or a utility-approved contractor and are not to be disconnected or tampered with by the customer. All meters shall be so located that they shall be protected from obstructions and permit ready access for reading, inspection, and servicing, such location to be designated or approved by the water utility. All piping within the building must be supplied by the owner. Where additional meters are desired by the owner, the owner shall pay for all piping. Where applicable, see Schedule Am-1 for rates.

Repairs to Meters

Meters will be repaired by the water utility, and the cost of such repairs caused by ordinary wear and tear will be borne by the water utility.

Repair of any damage to a meter resulting from the carelessness of the owner of the premises, owner's agent, or tenant, or from the negligence of any one of them to properly secure and protect same, including any damage that may result from allowing a water meter to become frozen or to be damaged from the presence of hot water or steam in the meter, shall be paid for by the customer or the owner of the premises.

Service Piping for Meter Settings

Where the original service piping is installed for a new metered customer, where existing service piping is changed for the customer's convenience, or where a new meter is installed for an existing unmetered customer, the owner of the premises at his/her expense shall provide a suitable location and the proper connections for the meter. The meter setting and associated plumbing shall comply with the water utility's standards. The water utility should be consulted as to the type and size of the meter setting.

Turning on Water

The water may only be turned on for a customer by an authorized employee of the water utility. Plumbers may turn the water on to test their work, but upon completion must leave the water turned off.

Sprinkling Restrictions and Emergency Water Conditions

Where the municipality has a policy regarding sprinkling restrictions and/or emergency water conditions, failure to comply with such may result in disconnection of service.

See Wis. Admin. Code § PSC 185.37.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Utility Operating Rules

Failure to Read Meters

Where the water utility is unable to read a meter, the fact will be plainly indicated on the bill, and either an estimated bill will be computed or the minimum charge applied. The difference shall be adjusted when the meter is again read, that is, the bill for the succeeding billing period will be computed with the gallons or cubic feet in each block of the rate schedule doubled, and credit will be given on that bill for the amount of the bill paid the preceding period. Only in unusual cases shall more than three consecutive estimated or minimum bills be rendered.

If the meter is damaged (see Surreptitious Use of Water) or fails to operate, the bill will be based on the average use during the past year, unless there is some reason why the use is not normal. If the average use cannot be properly determined, the bill will be estimated by some equitable method.

See Wis. Admin. Code § PSC 185.33.

Complaint Meter Tests

See Wis. Admin. Code § PSC 185.77.

Inspection of Premises

During reasonable hours, any officer or authorized employee of the water utility shall have the right of access to the premises supplied with service for the purpose of inspection or for the enforcement of the water utility's rules and regulations. Whenever appropriate, the water utility will make a systematic inspection of all unmetered water taps for the purpose of checking waste and unnecessary use of water.

See Wis. Stat. § 196.171.

Vacation of Premises

When premises are to be vacated, the water utility shall be notified, in writing, at once, so that it may remove the meter and shut off the water supply at the curb stop. The owner of the premises shall be liable for prosecution for any damage to the water utility's property. See "Abandonment of Service" in Schedule X-1 for further information.

Deposits for Residential Service

See Wis. Admin. Code § PSC 185.36.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Utility Operating Rules

Deposits for Nonresidential Service

See Wis. Admin. Code § PSC 185.361.

Deferred Payment Agreement

See Wis. Admin. Code § PSC 185.38 or Schedule X-4, if applicable.

Dispute Procedures

See Wis. Admin. Code § PSC 185.39.

Disconnection and Refusal of Service

See Wis. Admin. Code § PSC 185.37.

The following is an example of a disconnection notice that the utility may use to provide the required notice to customers.

DISCONNECTION NOTICE

Dear Customer:

The bill enclosed with this notice includes your current charge for water utility service and your previous unpaid balance.

You have 10 days to pay the water utility service arrears or your service is subject to disconnection.

If you fail to pay the service arrears or fail to contact us within the 10 days allowed to make reasonable deferred payment arrangement or other suitable arrangement, we will proceed with disconnection action.

To avoid the inconvenience of service interruption and an additional charge of (amount) for reconnection, we urge you to pay the full arrears IMMEDIATELY AT ONE OF OUR OFFICES.

If you have entered into a Deferred Payment Agreement with us and have failed to make the deferred payments you agreed to, your service will be subject to disconnection unless you pay the entire amount due within 10 days.

If you have a reason for delaying the payment, call us and explain the situation.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Utility Operating Rules

Disconnection and Refusal of Service (continued)

DISCONNECTION NOTICE (continued)

PLEASE CALL THIS TELEPHONE NUMBER, (telephone number), IMMEDIATELY IF:

1. You dispute the notice of delinquent account.
2. You have a question about your water utility service arrears.
3. You are unable to pay the full amount of the bill and are willing to enter into a deferred payment agreement with us.
4. There are any circumstances you think should be taken into consideration before service is discontinued.
5. Any resident is seriously ill.

Illness Provision: If there is an existing medical emergency in your home and you furnish the water utility with a statement signed by either a licensed Wisconsin physician or a public health official, we will delay disconnection of service up to 21 days. The statement must identify the medical emergency and specify the period of time during which disconnection will aggravate the existing emergency.

Deferred Payment Agreements: If you are a residential customer and you are unable to pay the full amount of the water utility service arrears on your bill, you may contact the water utility to discuss arrangements to pay the arrears over an extended period of time.

This time payment agreement will require:

1. Payment of a reasonable amount at the time the agreement is made.
2. Payment of the remainder of the outstanding balance in monthly installments over a reasonable length of time.
3. Payment of all future water utility service bills in full by the due date.

In any situation where you are unable to resolve billing disputes or disputes about the grounds for proposed disconnection through contacts with our water utility, you may make an appeal to the Public Service Commission of Wisconsin by calling (800) 225-7729.

(WATER UTILITY NAME)

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Utility Operating Rules

Collection of Overdue Bills

An amount owed by the customer may be levied as a tax as provided in Wis. Stat. § 66.0809.

Surreptitious Use of Water

When the water utility has reasonable evidence that a person is obtaining water, in whole or in part, by means of devices or methods used to stop or interfere with the proper metering of the water utility service being delivered, the water utility reserves the right to estimate and present immediately a bill for unmetered service as a result of such interference, and such bill shall be payable subject to a 24-hour disconnection of service. If the water utility disconnects the service for any such reason, the water utility will reconnect the service upon the following conditions:

- A. The customer will be required to deposit with the water utility an amount sufficient to guarantee the payment of the bills for water utility service.
- B. The customer will be required to pay the water utility for any and all damages to water utility equipment resulting from such interference with the metering.
- C. The customer must further agree to comply with reasonable requirements to protect the water utility against further losses.

See Wis. Stat. §§ 98.26 and 943.20.

Repairs to Mains

The water utility reserves the right to shut off the water supply in the mains temporarily to make repairs, alterations, or additions to the plant or system. When the circumstances will permit, the water utility will give notification, by newspaper publication or otherwise, of the discontinuance of the water supply. No credit will be allowed to customers for such temporary suspension of the water supply.

See Wis. Admin. Code § PSC 185.87.

Duty of Water Utility with Respect to Safety of the Public

It shall be the duty of the water utility to see that all open ditches for water mains, hydrants, and service laterals are properly guarded to prevent accident to any person or vehicle, and at night there shall be displayed proper signal lighting to ensure the safety of the public.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Utility Operating Rules

Handling Water Mains and Service Laterals in Excavation Trenches

Contractors must call Digger's Hotline and ensure a location is done to establish the existence and location of all water mains and service laterals as provided in Wis. Stat. § 182.0175. Where water mains or service laterals have been removed, cut, or damaged during trench excavation, the contractors must, at their own expense, cause them to be replaced or repaired at once. Contractors must not shut off the water service laterals to any customer for a period exceeding 6 hours.

Protective Devices

- A. Protective Devices in General: The owner or occupant of every premise receiving water supply shall apply and maintain suitable means of protection of the premise supply and all appliances against damage arising in any manner from the use of the water supply, variation of water pressure, or any interruption of water supply. Particularly, such owner or occupant must protect water-cooled compressors for refrigeration systems by means of high and/or low pressure safety cutout devices. There shall likewise be provided means for the prevention of the transmission of water ram or noise of operation of any valve or appliance through the piping of their own or adjacent premises.
- B. Relief Valves: On all "closed systems" (i.e., systems having a check valve, pressure regulator, reducing valve, water filter, or softener), an effective pressure relief valve shall be installed at or near the top of the hot water tank or at the hot water distribution pipe connection to the tank. No stop valve shall be placed between the hot water tank and the relief valve or on the drain pipe. See applicable plumbing codes.
- C. Air Chambers: An air chamber or approved shock absorber shall be installed at the terminus of each riser, fixture branch, or hydraulic elevator main for the prevention of undue water hammer. The air chamber shall be sized in conformance with local plumbing codes. Where possible, the air chamber should be provided at its base with a valve for water drainage and replenishment of air.

Cross-Connections

Every person owning or occupying a premise receiving municipal water supply shall maintain such municipal water supply free from any connection, either of a direct or of an indirect nature, with a water supply from a foreign source or of any manner of connection with any fixture or appliance whereby water from a foreign supply or the waste from any fixture, appliance, or waste or soil pipe may flow or be siphoned or pumped into the piping of the municipal water system.

See Wis. Admin. Code § NR 811.06.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Main Extension Rule

Water mains will be extended for new customers on the following basis:

- A. Where the cost of the extension is to immediately be collected through assessment by the municipality against the abutting property, the procedure set forth under Wis. Stat. § 66.0703 will apply, and no additional customer contribution to the utility will be required.

- B. Where the municipality is unwilling or unable to make a special assessment, the extension will be made on a customer-financed basis as follows:
 - 1. The applicant(s) will advance as a contribution in aid of construction the total amount equivalent to that which would have been assessed for all property under paragraph A.

 - 2. Part of the contribution required in paragraph B.1. will be refundable. When additional customers are connected to the extended main within 10 years of the date of completion, contributions in aid of construction will be collected equal to the amount which would have been assessed under paragraph A. for the abutting property being served. This amount will be refunded to the original contributor(s). In no case will the contributions received from additional customers exceed the proportionate amount which would have been required under paragraph A., nor will it exceed the total assessable cost of the original extension.

- C. When a customer connects to a transmission main or connecting loop installed at utility expense within 10 years of the date of completion, there will be a contribution required of an amount equivalent to that which would have been assessed under paragraph A.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Main Installations in Platted Subdivisions

Application for installation of water mains in regularly platted real estate development subdivisions shall be filed with the utility.

If the developer, or a contractor employed by the developer, is to install the water mains (with the approval of the utility), the developer shall be responsible for the total cost of construction.

If the utility or its contractor is to install the water mains, the developer shall be required to advance to the utility, prior to the beginning of the construction, the total estimated cost of the extension. If the final costs exceed estimated costs, an additional billing will be made for the balance of the cost due. This balance is to be paid within 30 days. If final costs are less than estimated, a refund of the overpayment will be made by the water utility.

Public Service Commission of Wisconsin

Cleveland Water Utility

Water Customer Supplemental Rules

Compliance with Rules

All persons now receiving water service from this water utility, or who may request service in the future, shall be considered as having agreed to be bound by the rules and regulations as filed with the Public Service Commission of Wisconsin.

Thawing Frozen Service Laterals

See Wis. Admin. Code § PSC 185.88.

Deferred Payment Agreement

The utility shall offer deferred payment agreements to residential accounts and may offer such agreements to other customers. However, the utility will not offer a deferred payment agreement to a residential customer who is a tenant if any of the following criteria applies:

- The residential tenant has greater than \$100 of account arrearages that are more than 90 days past due for utilities that bill monthly, or for utilities that do not bill monthly, has greater than \$100 of account arrearages that are past due for more than two billing cycles.
- The tenant has defaulted on a deferred payment agreement in the past 12 months. This criterion only applies to deferred payment agreements and not to other types of payment extensions or agreements.
- The residential tenant is responsible for account arrearages that were placed on any property owner's tax bill in the utility's service territory in the past 24 months.
- The residential tenant has a balance that accrued during the winter moratorium that is more than 80 days past due.

Cleveland Water Utility
Customer Water Bill Comparison at Present and Proposed Rates

Customer Type	Meter Size	Volume (1000 Gallons)	<u>Monthly</u>			<u>Monthly Including Public Fire Protection</u>		
			Bills at Old Rates	Bills at New Rates	Percent Change	Bills at Old Rates	Bills at New Rates	Percent Change
Small Residential	5/8"	2	\$ 21.63	\$ 35.48	64.03%	\$ 32.33	\$ 55.18	70.69%
Average Residential	5/8"	3	\$ 26.84	\$ 43.22	61.03%	\$ 37.54	\$ 62.92	67.62%
Large Residential	5/8"	8	\$ 52.89	\$ 81.92	54.89%	\$ 63.59	\$ 101.62	59.81%
Large Residential	5/8"	16	\$ 85.03	\$ 132.50	55.83%	\$ 95.73	\$ 152.20	58.99%
Large Residential	5/8"	32	\$ 142.95	\$ 226.10	58.17%	\$ 153.65	\$ 245.80	59.98%
Multifamily Residential	1"	20	\$ 102.50	\$ 162.90	58.93%	\$ 129.82	\$ 211.90	63.23%
Multifamily Residential	1"	45	\$ 193.00	\$ 309.15	60.18%	\$ 220.32	\$ 358.15	62.56%
Multifamily Residential	1"	65	\$ 265.40	\$ 426.15	60.57%	\$ 292.72	\$ 475.15	62.32%
Multifamily Residential	1 1/2"	180	\$ 612.35	\$ 895.63	46.26%	\$ 665.89	\$ 994.63	49.37%
Commercial	5/8"	15	\$ 81.41	\$ 126.65	55.57%	\$ 92.11	\$ 146.35	58.89%
Commercial	5/8"	25	\$ 117.61	\$ 185.15	57.43%	\$ 128.31	\$ 204.85	59.66%
Commercial	1"	10	\$ 66.30	\$ 104.40	57.47%	\$ 93.62	\$ 153.40	63.85%
Commercial	1"	20	\$ 102.50	\$ 162.90	58.93%	\$ 129.82	\$ 211.90	63.23%
Industrial	5/8"	1	\$ 16.42	\$ 27.74	68.94%	\$ 27.12	\$ 47.44	74.94%
Industrial	5/8"	2	\$ 21.63	\$ 35.48	64.03%	\$ 32.33	\$ 55.18	70.69%
Industrial	1"	35	\$ 156.80	\$ 250.65	59.85%	\$ 184.12	\$ 299.65	62.75%
Industrial	3"	275	\$ 952.71	\$ 1,316.88	38.22%	\$ 1,113.34	\$ 1,612.88	44.87%
Public Authority	5/8"	70	\$ 278.30	\$ 442.13	58.87%	\$ 289.00	\$ 461.83	59.80%
Public Authority	5/8"	175	\$ 588.05	\$ 856.88	45.72%	\$ 598.75	\$ 876.58	46.40%
Public Authority	2"	15	\$ 130.30	\$ 167.65	28.66%	\$ 215.53	\$ 325.65	51.09%
Public Authority	2"	35	\$ 202.70	\$ 284.65	40.43%	\$ 287.93	\$ 442.65	53.74%